

F I G. 1 A

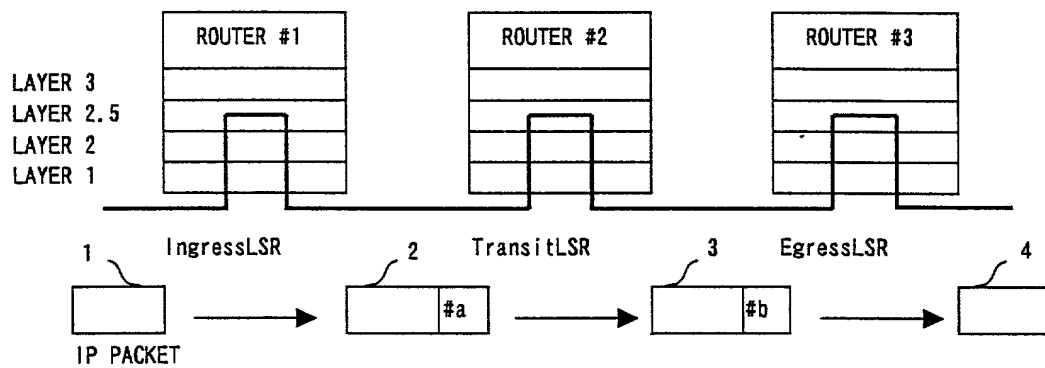


FIG. 1 B

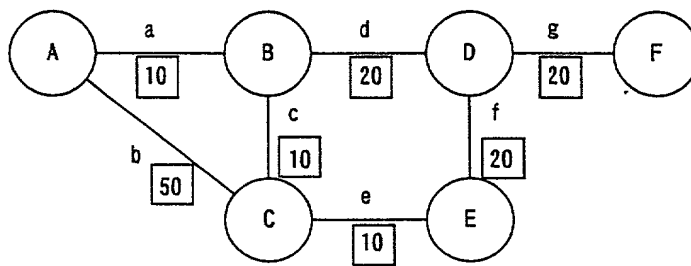


FIG. 1C

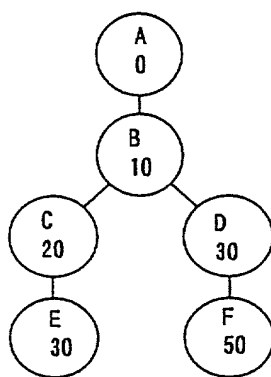


FIG. 1D

| DESTINATION NETWORK | NEXT HOP | COST |
|---------------------|----------|------|
| a                   | —        | 1    |
| b                   | —        | 1    |
| c                   | B        | 2    |
| d                   | B        | 2    |
| e                   | C        | 2    |
| f                   | B        | 3    |
| g                   | B        | 3    |

FIG. 1E

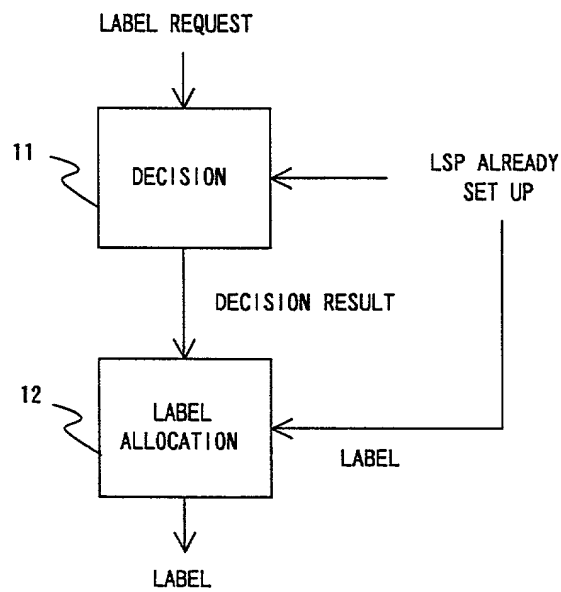


FIG. 2

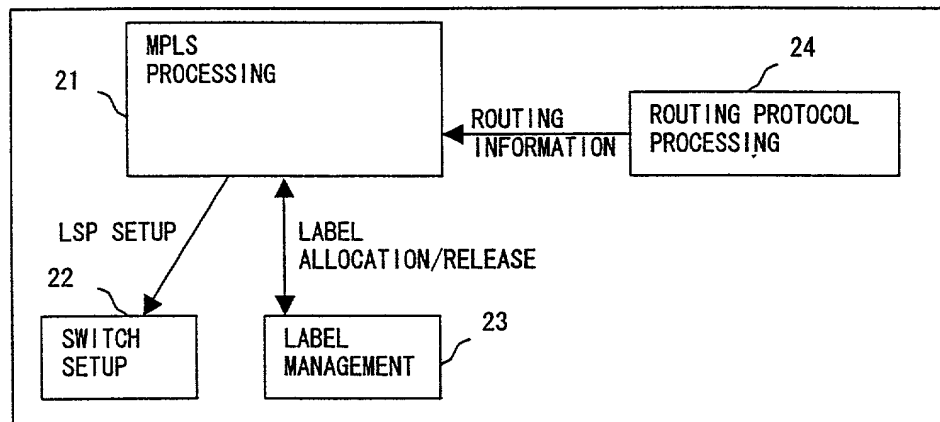


FIG. 3A

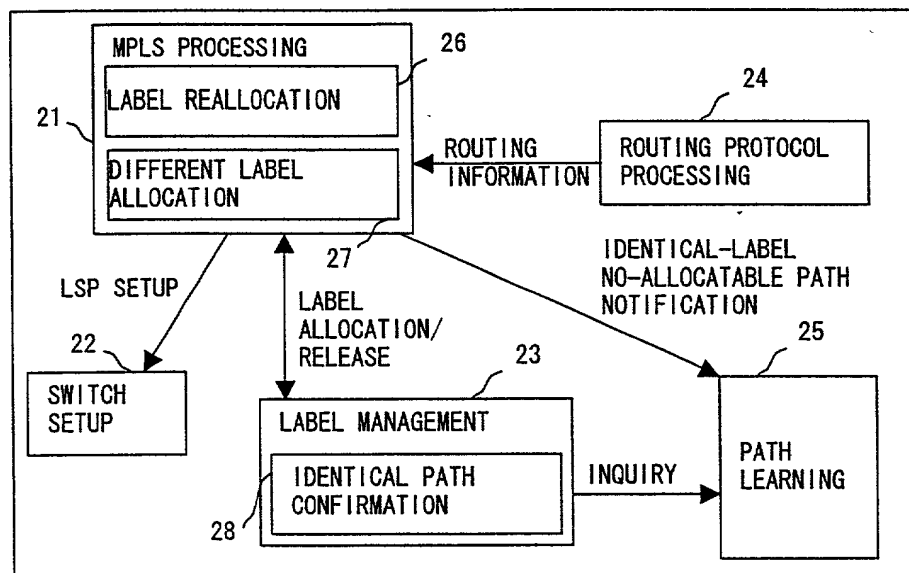


FIG. 3B



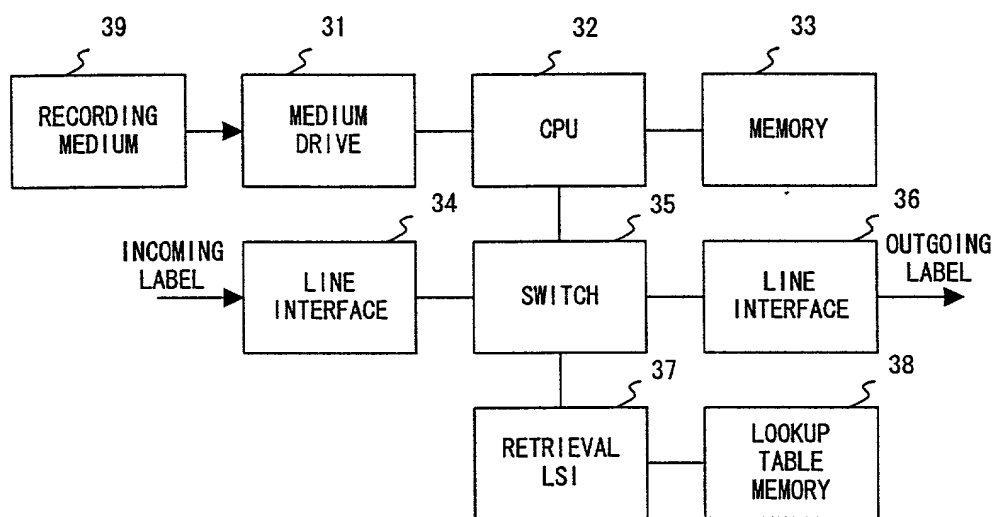


FIG. 4

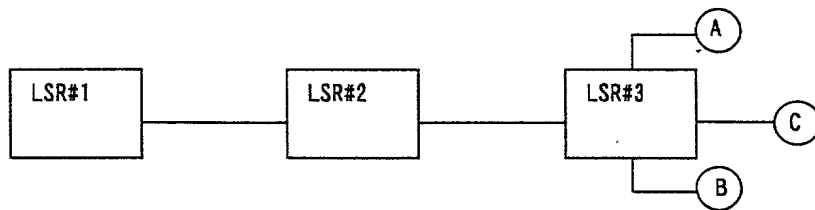


FIG. 5

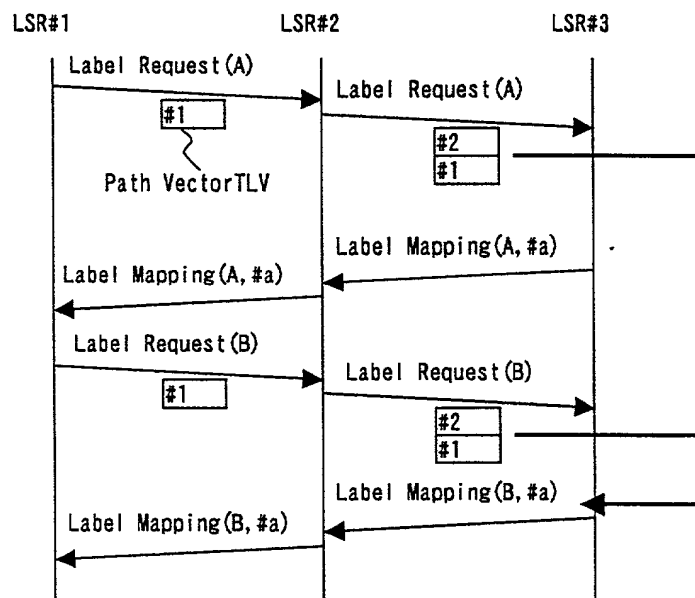


FIG. 6

|           | LABEL | PATH            | F E C |
|-----------|-------|-----------------|-------|
| L S R # 1 | —     | —               | —     |
| L S R # 2 | —     | —               | —     |
| L S R # 3 | # a   | # 1 — # 2 — # 3 | A     |

F I G. 7

|           | INCOMING LABEL | OUTGOING LABEL |
|-----------|----------------|----------------|
| L S R # 1 | —              | # a            |
| L S R # 2 | # a            | # a            |
| L S R # 3 | # a            | —              |

F I G. 8

|           | LABEL | PATH            | F E C |
|-----------|-------|-----------------|-------|
| L S R # 1 | —     | —               | —     |
| L S R # 2 | —     | —               | —     |
| L S R # 3 | # a   | # 1 — # 2 — # 3 | A, B  |

F I G. 9

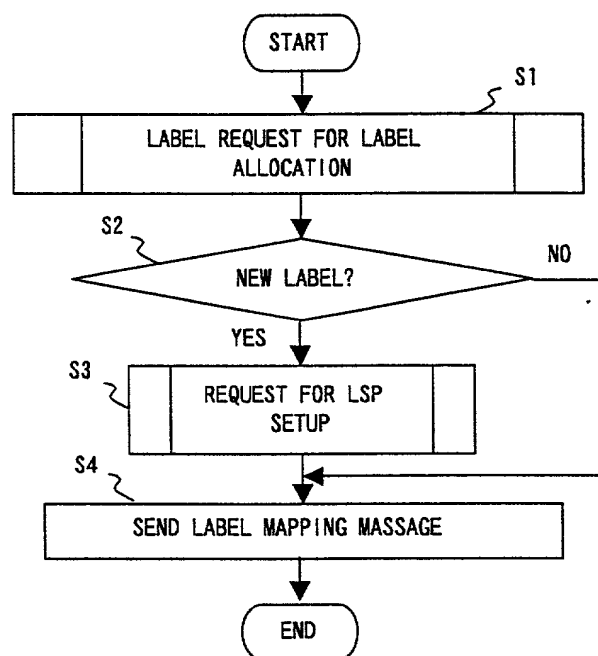


FIG. 10

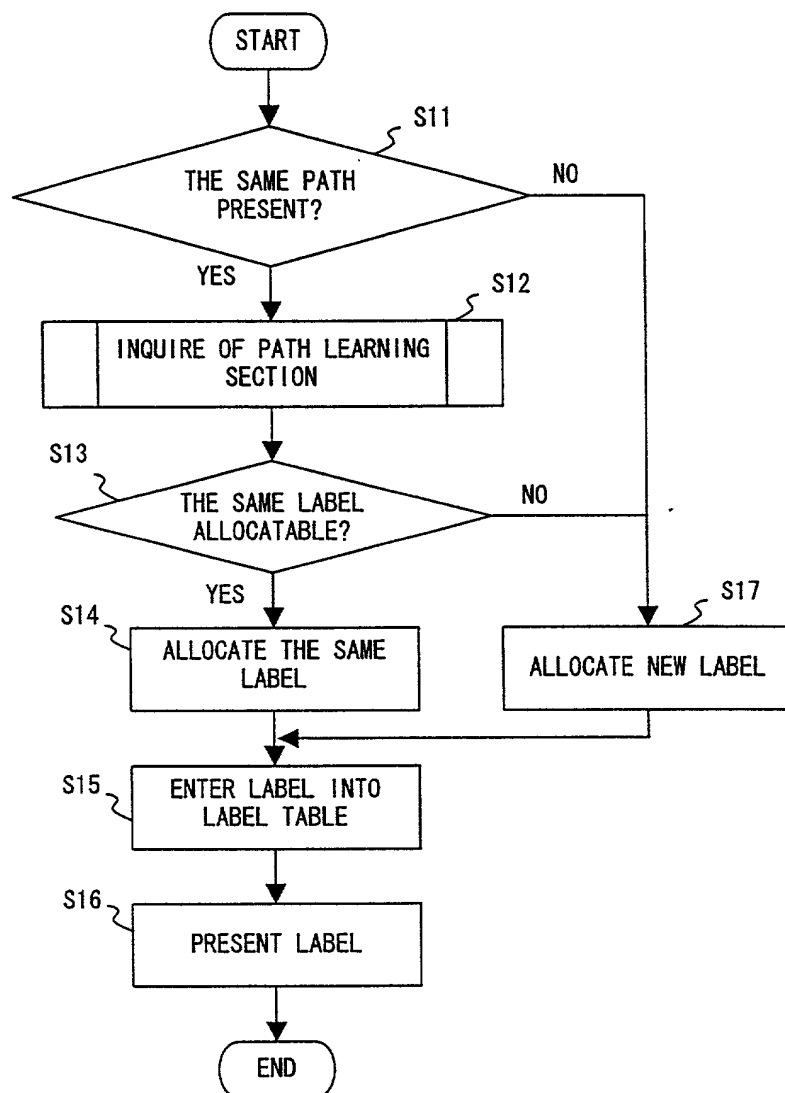


FIG. 11



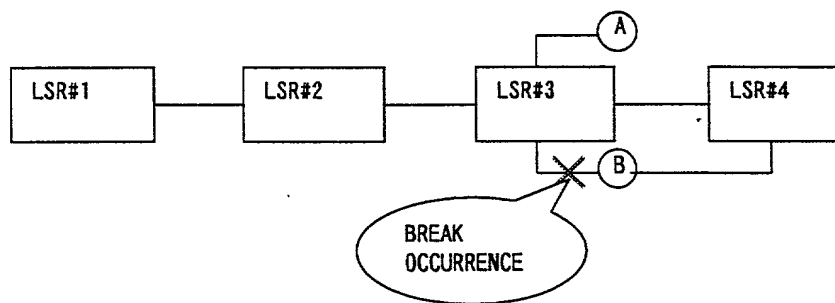


FIG. 12

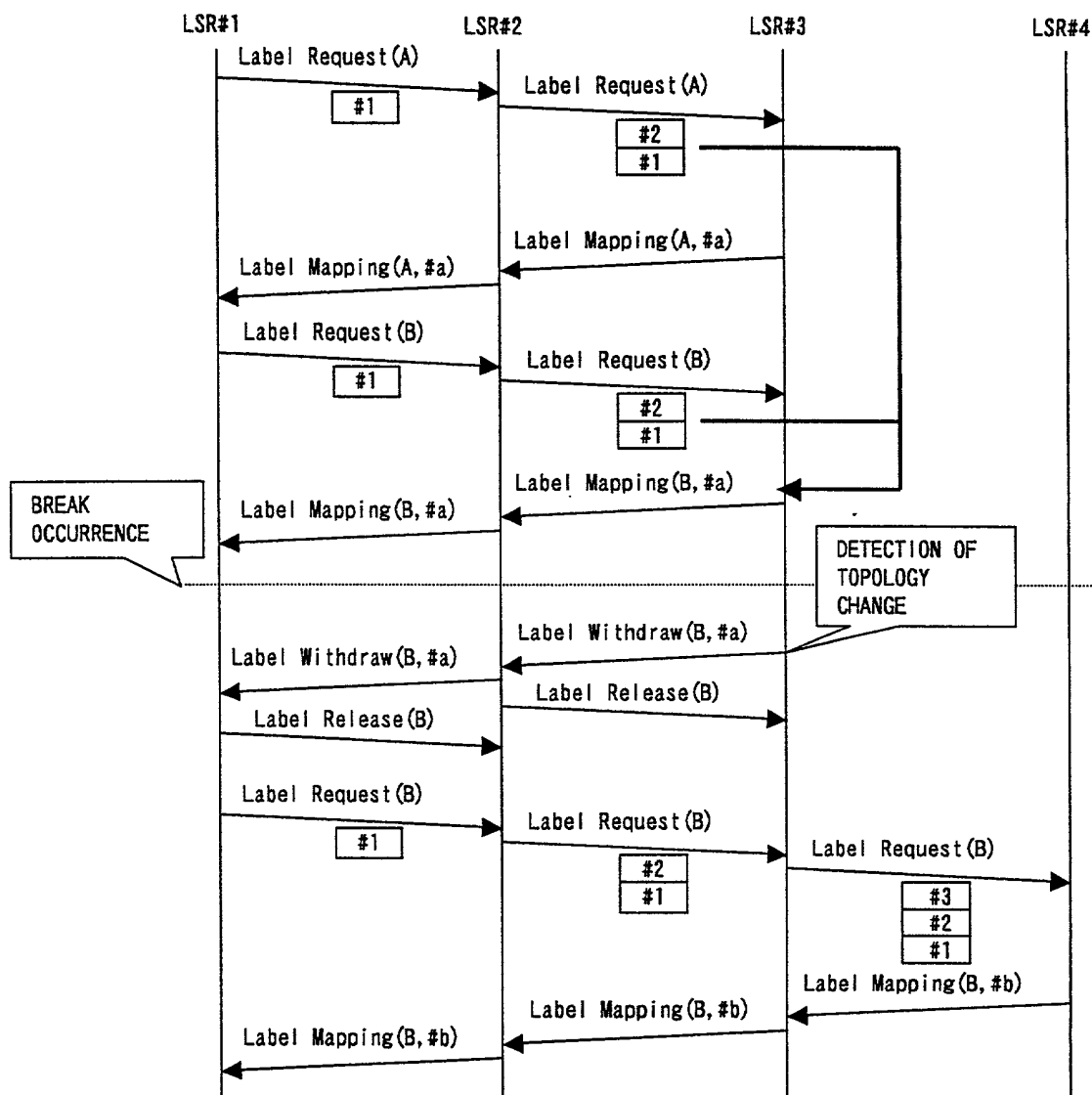


FIG. 13

|           | LABEL | PATH            | F E C |
|-----------|-------|-----------------|-------|
| L S R # 1 | —     | —               | —     |
| L S R # 2 | —     | —               | —     |
| L S R # 3 | # a   | # 1 — # 2 — # 3 | A, B  |
| L S R # 4 | —     | —               | —     |

F I G. 1 4

|        | INCOMING LABEL | OUTGOING LABEL |
|--------|----------------|----------------|
| LSR# 1 | —              | # a            |
| LSR# 2 | # a            | # a            |
| LSR# 3 | # a            | —              |
| LSR# 4 | —              | —              |

FIG. 15

|       | LABEL | PATH     | FEC |
|-------|-------|----------|-----|
| LSR#1 | —     | —        | —   |
| LSR#2 | —     | —        | —   |
| LSR#3 | #a    | #1—#2—#3 | A   |
| LSR#4 | —     | —        | —   |

FIG. 16

| LABEL | F E C |
|-------|-------|
| # a   | A, B  |

FIG. 17

|       | LABEL | PATH        | FEC |
|-------|-------|-------------|-----|
| LSR#1 | —     | —           | —   |
| LSR#2 | —     | —           | —   |
| LSR#3 | #a    | #1—#2—#3    | A   |
| LSR#4 | #b    | #1—#2—#3—#4 | B   |

FIG. 18

|           | INCOMING LABEL | OUTGOING LABEL |
|-----------|----------------|----------------|
| L S R # 1 | —              | # a            |
|           | —              | # b            |
| L S R # 2 | # a            | # a            |
|           | # b            | # b            |
| L S R # 3 | # a            | —              |
|           | # b            | # b            |
| L S R # 4 | —              | —              |
|           | # b            | —              |

F I G. 1 9



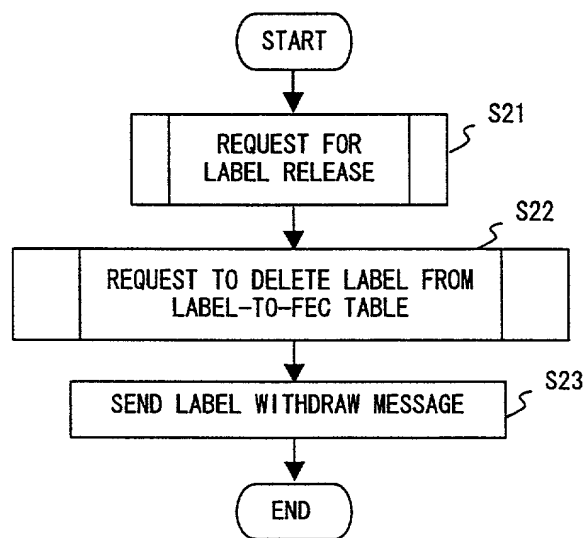


FIG. 20

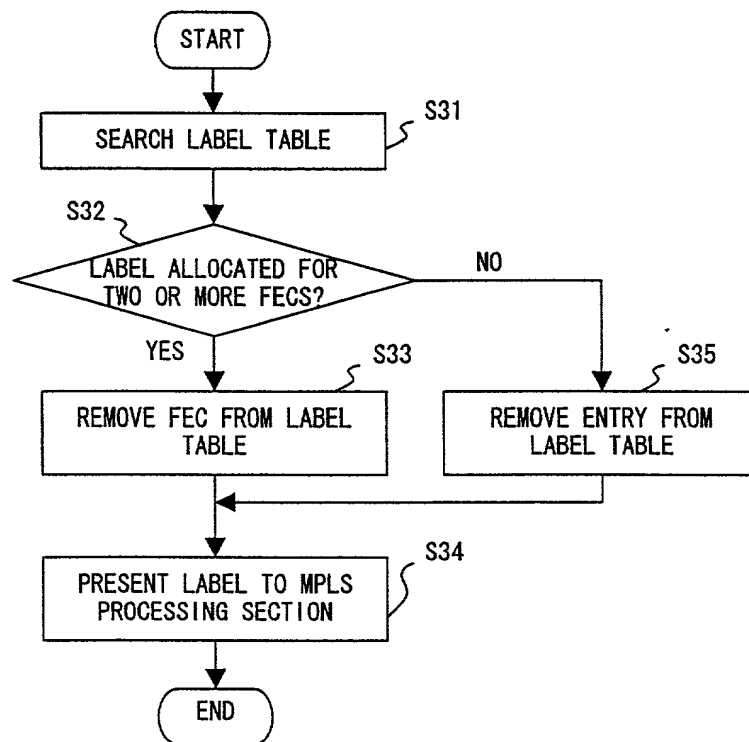


FIG. 21

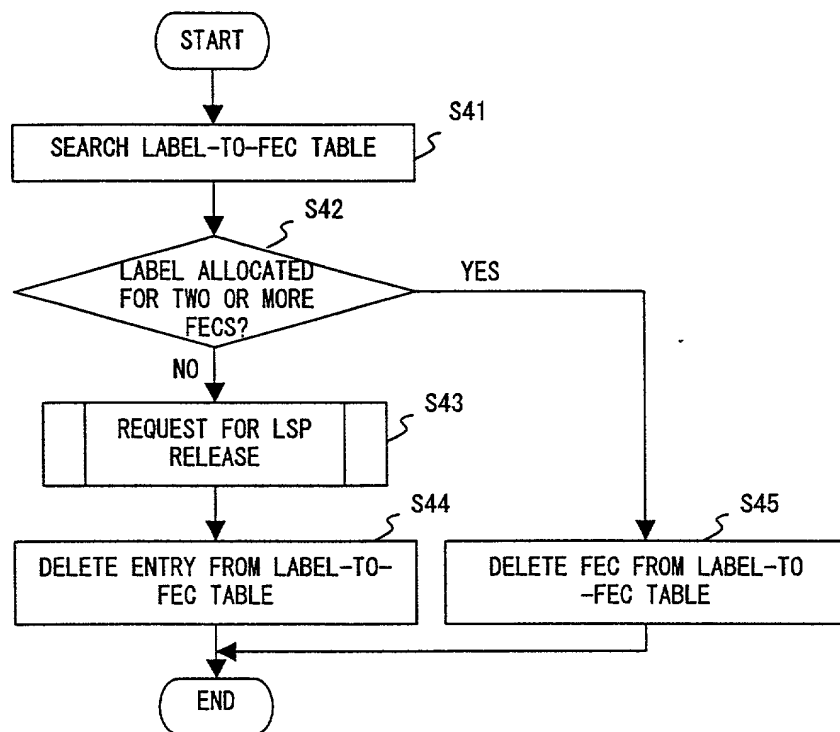


FIG. 22

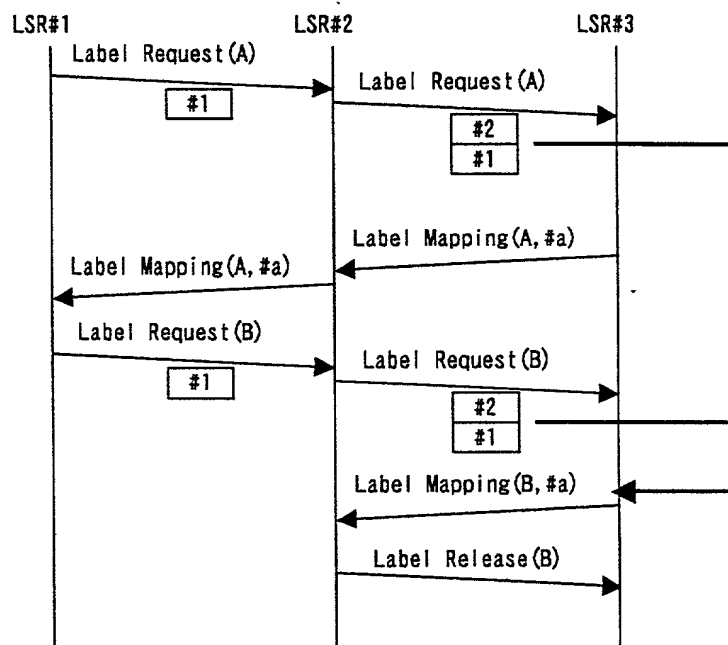
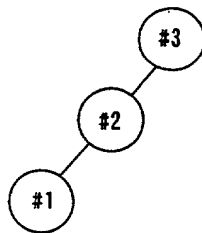


FIG. 23



F I G. 2 4

|           | LABEL | PATH            | F E C |
|-----------|-------|-----------------|-------|
| L S R # 1 | —     | —               | —     |
| L S R # 2 | —     | —               | —     |
| L S R # 3 | # a   | # 1 — # 2 — # 3 | A     |
|           | # b   | # 1 — # 2 — # 3 | B     |

F I G. 25

|           | INCOMING LABEL | OUTGOING LABEL |
|-----------|----------------|----------------|
| L S R # 1 | —              | # a            |
|           | —              | # b            |
| L S R # 2 | # a            | # a            |
|           | # b            | # b            |
| L S R # 3 | # a            | —              |
|           | # b            | —              |

F I G. 2 6

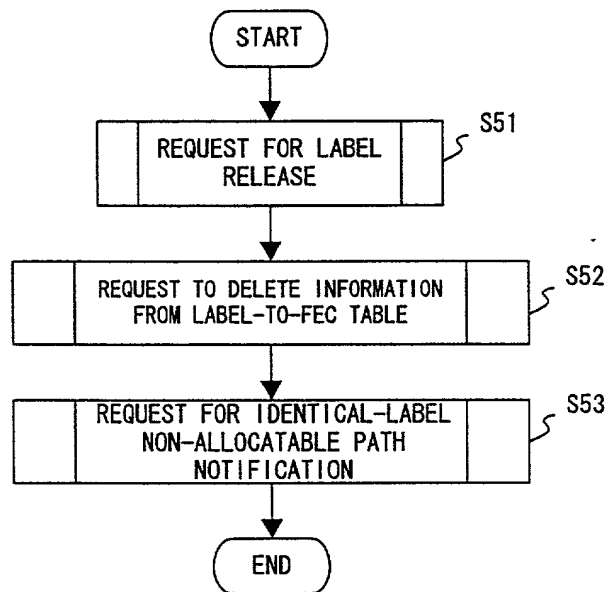


FIG. 27



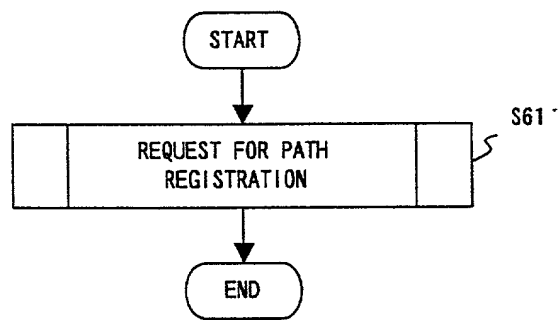
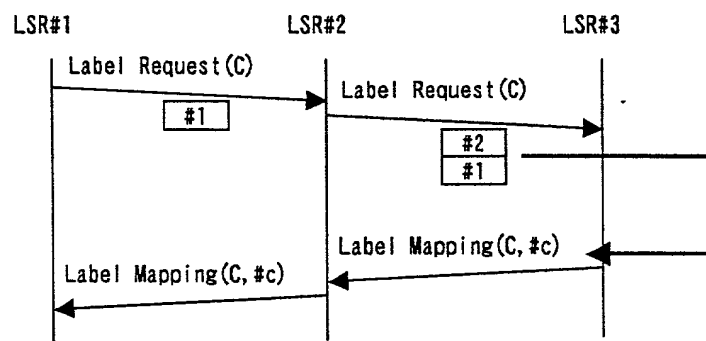


FIG. 28



F I G. 2 9

|           | LABEL | PATH            | F F C |
|-----------|-------|-----------------|-------|
| L S R # 1 | —     | —               | —     |
| L S R # 2 | —     | —               | —     |
| L S R # 3 | # a   | # 1 — # 2 — # 3 | A     |
|           | # b   | # 1 — # 2 — # 3 | B     |
|           | # c   | # 1 — # 2 — # 3 | C     |

F I G. 3 0

|           | INCOMING LABEL | OUTGOING LABEL |
|-----------|----------------|----------------|
| L S R # 1 | —              | # a            |
|           | —              | # b            |
|           | —              | # c            |
| L S R # 2 | # a            | # a            |
|           | # b            | # b            |
|           | # c            | # c            |
| L S R # 3 | # a            | —              |
|           | # b            | —              |
|           | # c            | —              |

F I G. 3 1

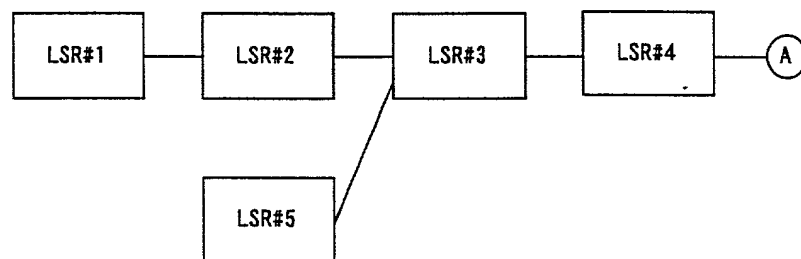


FIG. 32

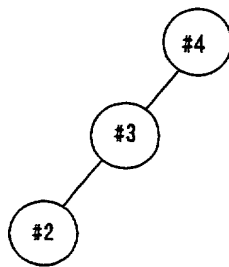


FIG. 33

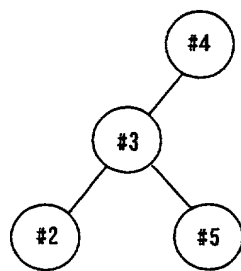


FIG. 34

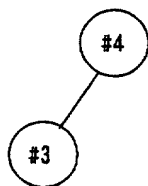


FIG. 35



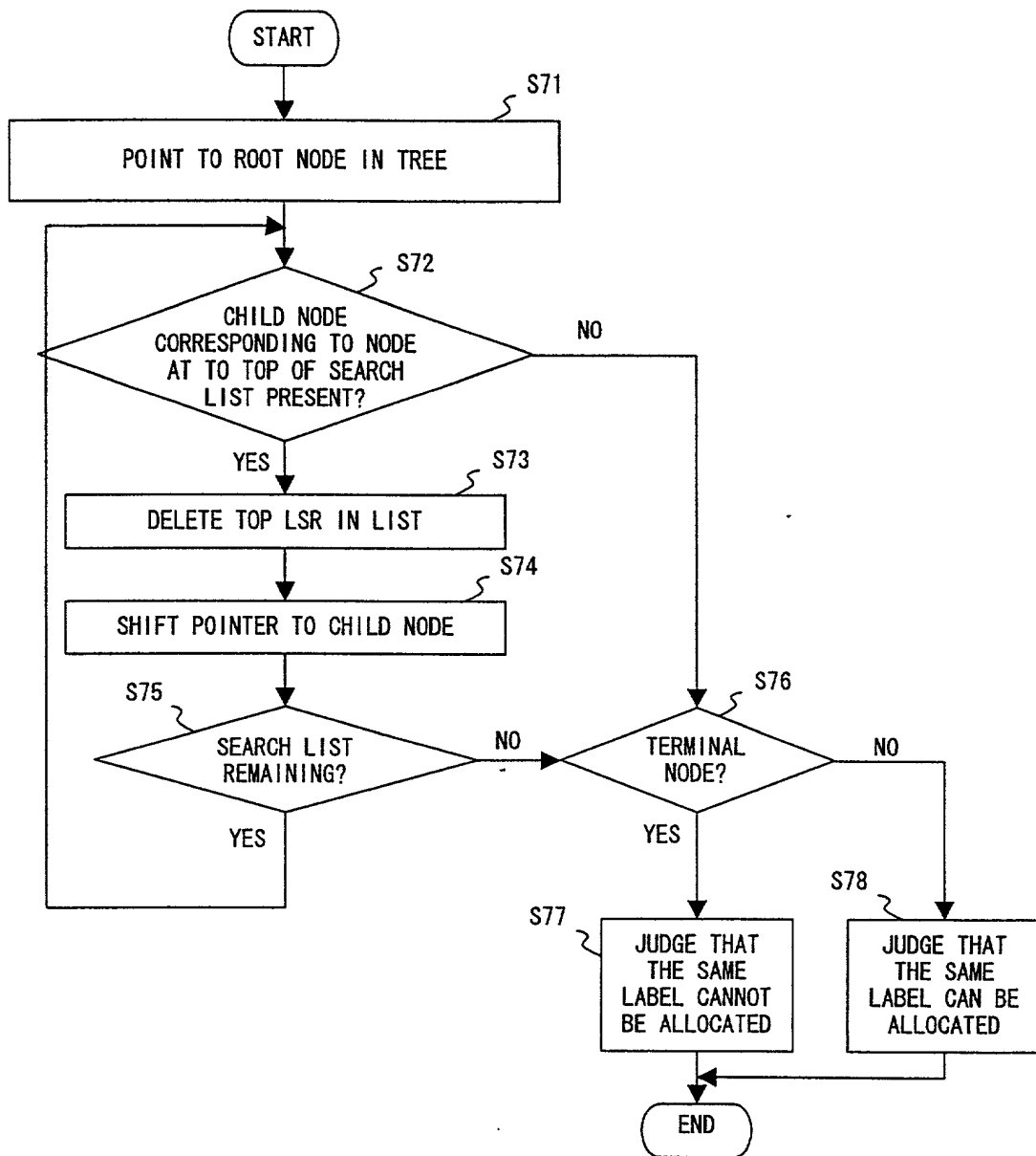


FIG. 36

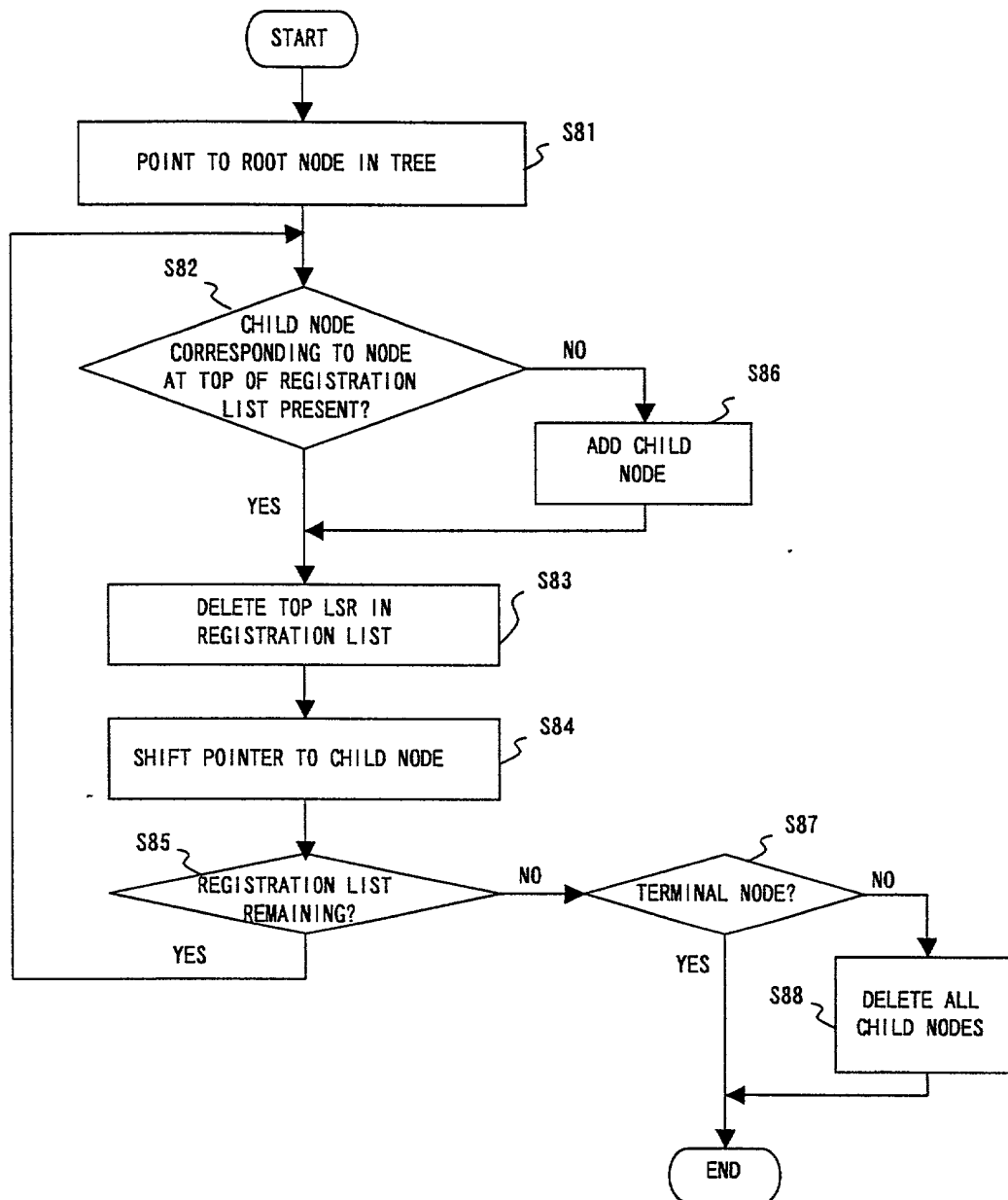


FIG. 37

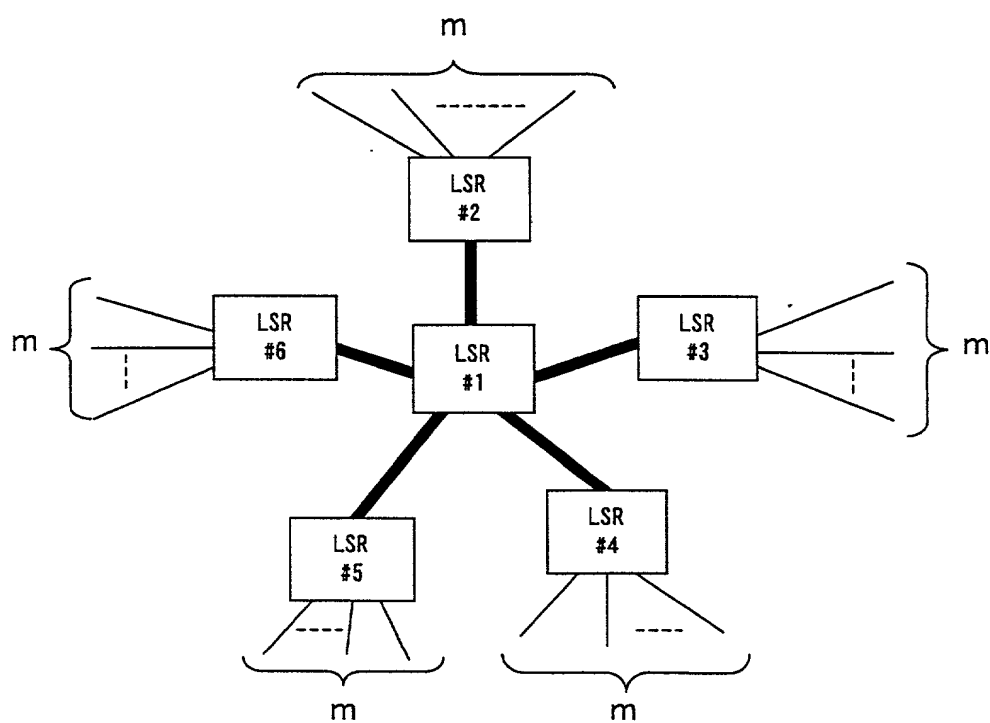


FIG. 38

| LSP NUMBERS                           | 10   | 20   | 30    | 40    | 50    |
|---------------------------------------|------|------|-------|-------|-------|
| CONVENTIONAL TECHNIQUE                | 1917 | 8987 | 21257 | 38727 | 61397 |
| INVENTION                             | 90   | 380  | 870   | 1560  | 2450  |
| CONVENTIONAL TECHNIQUES/INVENTION (a) | 21.3 | 23.7 | 24.4  | 24.8  | 25.1  |

FIG. 39.

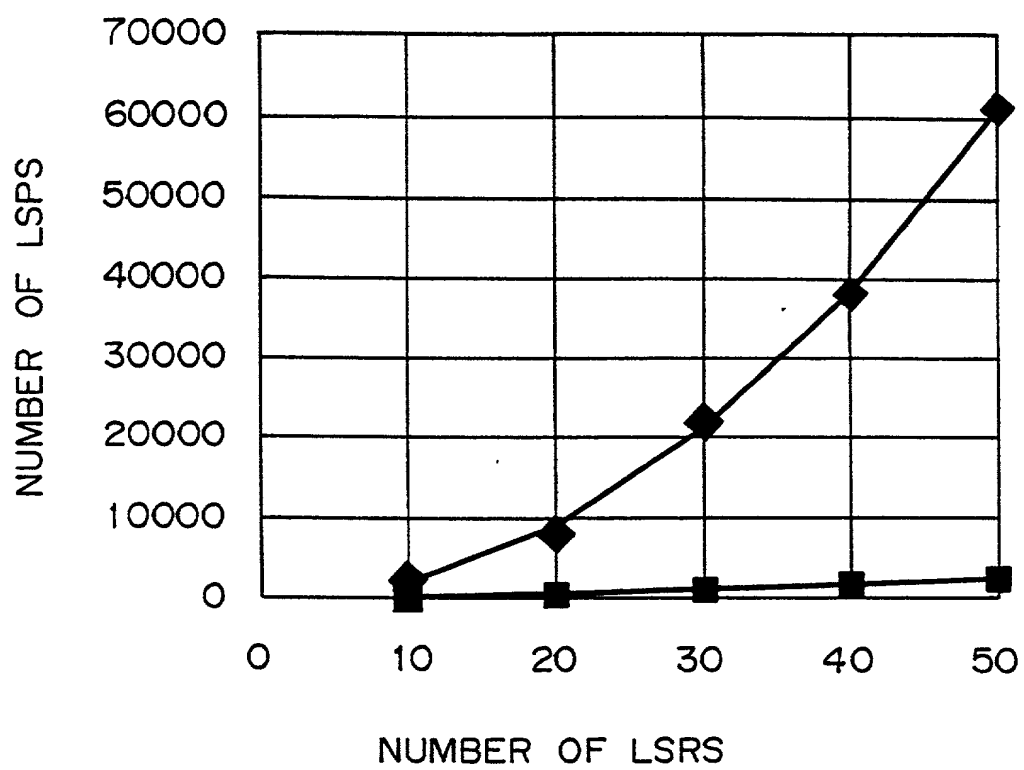


FIG. 40

| LSR NUMBERS                          | 10   | 20    | 30    | 40     | 50     |
|--------------------------------------|------|-------|-------|--------|--------|
| CONVENTIONAL TECHNIQUES              | 7362 | 34732 | 82302 | 150072 | 238042 |
| INVENTION                            | 90   | 380   | 870   | 1560   | 2450   |
| CONVENTIONAL TECHNIQUES/INVENTION(a) | 81.8 | 91.4  | 94.6  | 96.2   | 97.2   |

FIG. 41.

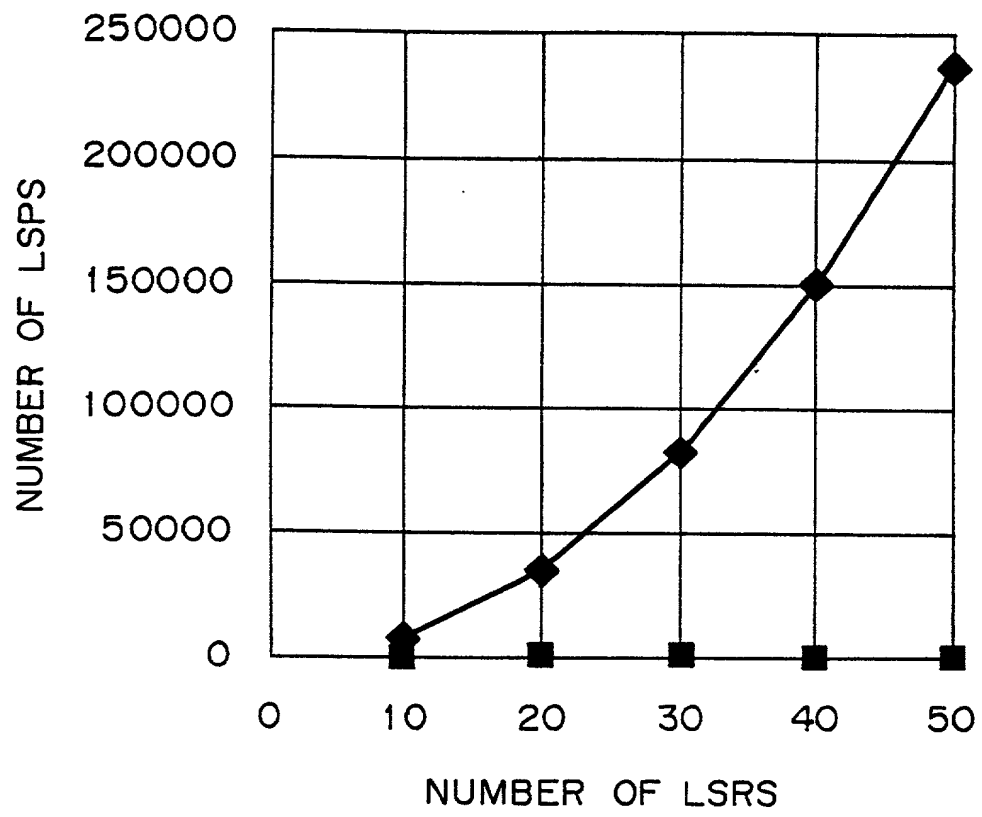


FIG. 42